

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 February 2001 (15.02.2001)

PCT

(10) International Publication Number
WO 01/11333 A3

(51) International Patent Classification⁷: **G01N 33/53**,
C12Q 1/68, G01N 35/00

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(21) International Application Number: PCT/US00/21339

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(22) International Filing Date: 4 August 2000 (04.08.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/370,786 5 August 1999 (05.08.1999) US

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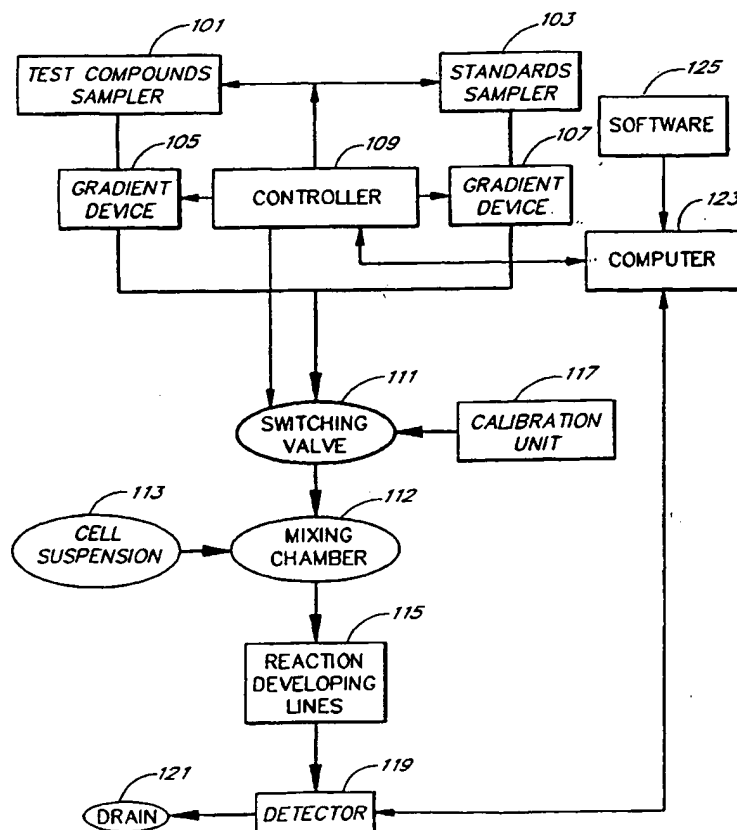
(81) Designated States (*national*): AE, AG, AL, AM, AT, AT
(utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility
model), DK, DK (utility model), DM, DZ, EE, EE (utility
model), ES, FI, FI (utility model), GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (utility
model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,
SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT,
TZ, UA, UG, UZ, VN, YU, ZA, ZW.

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(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian

[Continued on next page]

(54) Title: APPARATUS FOR REAL-TIME MEASUREMENT OF CELLULAR RESPONSE



(57) Abstract: An apparatus and method for real-time measurement of a cellular response of a test compound or series of test compounds (303) on a flowing suspension of cells (349), in which a homogeneous suspension of each member of a series of cell types (349) is combined with a concentration of a test compound (303), directed through a detection zone (355), and a cellular response of the living cells is measured in real time as the cells in the test mixture are flowing through the detection zone (355). The apparatus may be used in automated screening of libraries of compounds, and is capable of real-time variation of concentrations of test and standard compounds and generation of dose/response profiles within a short time span.

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patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
30 August 2001

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/21339

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G01N33/53 C12Q1/68 G01N35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 545 284 A (CANON KK) 9 June 1993 (1993-06-09) column 9, line 50 -column 18, line 20; examples 10,15,21	1-65
X	US 5 834 196 A (REUTELINGSPERGER CHRISTIAAN PE) 10 November 1998 (1998-11-10) claims 1-39	1-25, 40, 41
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A	DE 197 38 566 A (BASF AG ;KARLSRUHE FORSCHZENT (DE)) 18 March 1999 (1999-03-18) claim 9; figure 1	42-65

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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G document member of the same patent family

Date of the actual completion of the international search

7 February 2001

Date of mailing of the international search report

16/02/2001

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/21339

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 670 113 A (AKONG MICHAEL ANTHONY ET AL) 23 September 1997 (1997-09-23) claim 1; examples 1-4 ---	1,2,9,10
A	US 5 633 168 A (GLASSCOCK LARRY M ET AL) 27 May 1997 (1997-05-27) claims 1,13; figure 1 ---	42-65
A	WO 99 12041 A (UNIV OKLAHOMA STATE) 11 March 1999 (1999-03-11) claims 1-4 ---	1,2,9,10
P,A	WO 00 20873 A (UNIV NEW MEXICO) 13 April 2000 (2000-04-13) cited in the application examples 1,2 -----	42-65

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Information on patent family members

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